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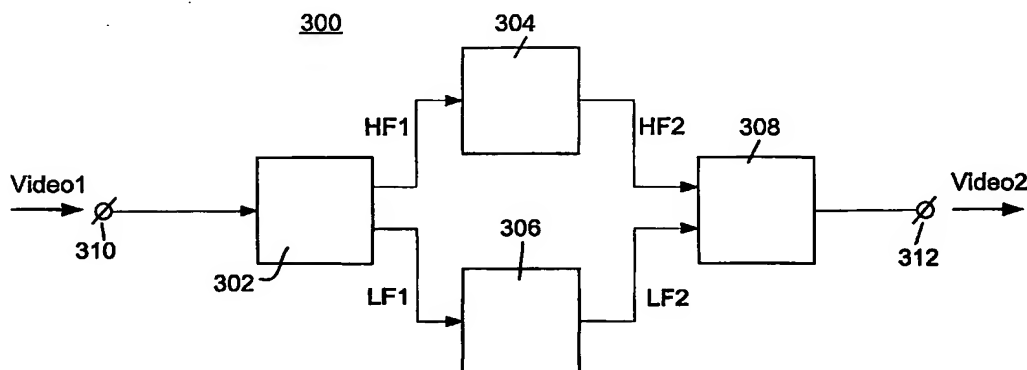
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(54) Title: GAMMA CORRECTION



(57) Abstract: An image-processing unit (300) for transforming pixel values of a first video signal (Video1) into respective pixel values of a second video signal (Video2), on basis of the luminance-to-light transfer characteristic of a display device is disclosed. The image-processing unit (300) comprises: a band-split filter (302) for band-splitting the first video signal (Video1) into a first high-frequent signal (HF1) and a first low-frequent signal (LF1); a first pixel value transformation unit (304) for transforming the first high-frequent signal (HF1) into a second high-frequent signal (HF2) on basis of a first transfer function; a second pixel value transformation unit for transforming the first low-frequent signal (LF1) into a second low-frequent signal (LF2) on basis of a second transfer function which is different from the first transfer function; and a combining unit (308) for combining the second high-frequent signal (HF2) and the second low-frequent signal (LF2) into the second video signal (Video2).

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